

PEASTER ISD



GREYHOUNDS

Peaster High School
Course Descriptions
2023-24

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Planning Your High School Program

The purpose of this guide is to assist students as they plan their academic future.

A variety of counseling services are offered at all schools. Counselors work with students, parents, and teachers to select appropriate courses for graduation and provide student services throughout the year. Catalogs, handbooks, and internet resources are available to students seeking postsecondary educational opportunities. These opportunities include two- and four- year colleges and universities, technical schools, and the U.S. Armed Forces. Financial aid resources and workshops are also available. High school has a College and Career Resource Center with computer access available. For more information, please contact the school counseling office.

Peaster High School

817-341-5000

Four Year College & Career Readiness Plan

9th Grade Checklist

Freshman year, you will want to find out all of the things your school has to offer, become involved in activities, create your goals, and get off to the right start. We are here to help.

| | |
|----------------------|--|
| Fall | <p>Get involved Extracurricular activities (both school and non-school sponsored) are an important part of high school. Make the effort to get involved with groups, clubs, or teams that interest you. These activities are fun, make you a well- rounded student, and help create your resume of experiences for postsecondary applications. A complete list of clubs and organizations can be found on the school websites.</p> <p>Make the grade Get off to a good start with your grades because they will impact your grade point average (GPA) and class rank. Although college seems like a long way off right now, grades really do count toward college admissions and scholarships.</p> <p>At this stage in the game, you are laying the foundation for your high school career. Freshman year is a time to establish your academic and extracurricular credentials. You should also begin to explore options for your career or further education.</p> |
| Winter | <p>Meet your counselor Your counselor is ready and willing to help you make sense of your college and career options. As soon as you can, set up a meeting to talk about your plans for high school and the future.</p> <p>Explore your interests and possible careers Discuss your skills and interests with your school counselor and take advantage of numerous Career and Technical Education (CTE) opportunities at your school.</p> |
| Spring/Summer | <p>Build your credentials Keep track of academic and extracurricular awards, community service achievements, and anything else you participate in so it will be easier to remember later. It will come in handy when you want to highlight your accomplishments—such as when you are filling out college applications or creating a resume.</p> <p>Start learning about colleges and careers Look at the college and career information available in your counselor’s office, school, and public libraries. Use the internet to check out college and career websites. You may even want to start a list of colleges that might interest you.</p> <p>Make summer count There are plenty of ways to have fun and build your credentials during the summer such as volunteering, getting a job, or signing up for an enrichment program.</p> |

10th Grade Checklist

Sophomore year, you will want to stay on track with your high school classes and activities and begin to narrow down the plan for your future.

| | |
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| Fall | <p>Take a practice PSAT Taking the PSAT as a sophomore will help prepare you for the real thing next year. Peaster ISD administers the PSAT to all 10th and 11th graders.</p> <p>Stay on track with your courses Work with your school counselor to make sure you are enrolled in the courses you need to prepare you for college or a career.</p> <p>Begin learning about the college admissions process Get familiar with general college entrance requirements. The school counselor’s office, the library, college websites, and advice articles are all good sources of information.</p> <p>Continue exploring potential careers Explore your college options in more detail—research possible careers to learn about the tasks, education, and training necessary for each occupation.</p> |
| Winter | <p>Take on new roles Stay involved with your extracurricular activities and work toward leadership positions in the activities you like best. Become involved in community service and other volunteer activities. Build your postsecondary resume.</p> <p>Practice your writing You will need good writing skills no matter what path you pursue, so work on those skills now to be prepared. Find a teacher or another adult who can advise and encourage you to write well.</p> <p>Get advice from your counselor Meet with your school counselor to make sure you are staying on track. You can also discuss your PSAT scores and ask about postsecondary enrollment options and Advanced Academics courses.</p> |
| Spring/Summer | <p>Keep your grades up It is so important to remain focused on doing well in your classes. Remember that your grades affect your GPA and class rank—two factors that colleges consider in the admissions process.</p> <p>Start your college search Use our college search tools to decide which factors are important to you and see a list of colleges that match your criteria. Attend college fairs and read the material you get from all types of schools—you may see something you like.</p> <p>Contact colleges that interest you Write to schools and ask for more information about their academic requirements and any programs or activities that you are interested in. It is especially important to start this process now if you think you want to attend a military academy.</p> <p>Get a summer job Finding steady summer work will look good to prospective colleges and employers. Saving the money you earn for college will also help you get a head start on financial planning for postsecondary goals.</p> <p>Read! Read! Read! Developing your reading skills will help prepare you for tests and make you a well-rounded individual. Read as many books as you can, including articles on current events.</p> |

11th Grade Checklist

Junior year is a key year in the college planning process because you will be taking standardized tests, narrowing down your college list, and learning more about financial aid. In addition, you should stay involved in your high school courses and activities.

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| Fall | <p>Stay on track with your classes and grades Meet with your counselor to see what you still need to take. Check on your class rank and your GPA. Even if your grades have not been as strong as you hoped, it is never too late to improve. Colleges like to see an upward trend on your course grades.</p> <p>Take the PSAT Taking the PSAT qualifies you for the National Merit Scholarship Program, which means you could earn money for college. In addition, it is a good way to practice for the ACT and/or SAT. .</p> <p>Evaluate your postsecondary options Now is the time to follow a more specific path. Decide whether you want to pursue full-time employment, further education or training (such as a vocational-technical school, career college, or two-year or four-year college), or a military career. If you are interested in attending a military academy, talk to your school counselor about starting the application process now.</p> <p>Make a college list Your list of colleges should include schools that meet your most important criteria (for example, size, location, cost, academic majors, or special programs). Consider each of these factors according to their importance to you and develop a preliminary ranking of the schools on your list.</p> <p>Continue gathering college information Visit with college and career representatives, schedule college visits. Use the online college finder to search top college lists. You may be able to narrow your choices or add a school to your list.</p> <p>Make sure you are meeting any special NCAA requirements If you want to play Division I or II sports in college, start the certification process and check with your counselor to make sure you are taking a core curriculum that meets NCAA requirements.</p> |
| Winter | <p>Stay involved with extracurricular activities Colleges look for consistency and depth in the non-academic activities you pursue. Taking on leadership roles and making a commitment to the same groups are more important than trying out tons of new activities each year.</p> <p>Begin narrowing down your college choices Make sure you have all the information you need about the colleges you are interested in (entrance requirements, tuition, room and board costs, course offerings, student activities, financial aid, etc.). Then, begin comparing the schools by the factors that are most important to you and rank your choices.</p> <p>Take standardized tests Performance on the SAT or ACT is one of the most important criteria for college admission. Register for and take the ACT or SAT. Be sure you have requested (either by mail or online) that your test scores be sent to the colleges of your choice.</p> <p>Prepare a challenging schedule for senior year Meet with your counselor to determine which classes you will take next year and to make sure you are on track for graduation. Colleges do consider your senior year courses and grades, so stick with a schedule that challenges you.</p> |
| Spring | <p>Apply for a summer job or internship Summer employment and internships, in fields you are interested in, will look appealing on a college application or resume. The money you earn can also be used to help pay application and testing fees in the fall.</p> <p>Set up appointments at your top college choices You will need to plan ahead when visiting colleges. Call the admissions office to set up a personal interview, tour, and a meeting with a professor or coach if you are interested. You can also begin your application. Juniors can have up to two excused absences for college visits.</p> |

Summer

Visit colleges

Visit the campuses of your top five college choices. Take a tour and speak with the admissions and financial aid staff. You may also be able to talk to students if some classes are in session. If you have an interview, be sure to send a thank-you letter to the interviewer once you return home.

Get advice from other college students

If you have friends or relatives in college, talk to them about what college life is like, especially if they attend a school of interest. Although it is important to hear what the admissions staff has to say about a school, it is also important to get the students' perspective.

Start working on your application essays

Compose rough drafts of the essays you will need for your college applications. Have a teacher read and discuss them with you so you can see what to work on. Make any revisions to your application essays and prepare final drafts. Do not forget to proofread your final essays a few times.

Make early decision preparations

If you plan to apply early to any school, take the time to visit the school again and make sure you are willing to commit. If you elect to apply early decision, you should start working on your application as soon as possible because the deadline will be earlier than others.

12th Grade Checklist

Senior year is often an extremely busy time with schoolwork, activities, and special events. Be sure to stay on track with your college admissions process. Get organized, be aware of deadlines, and do not procrastinate.

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|---------------|---|
| Fall | <p>Continue to visit schools Fall is a great time to look at the schools on your college lists because classes are in session and you are better able to visit with college students and professors. You may even be able to sit in on a class or two. Seniors can have up to two excused absences for college visits.</p> <p>Finalize your college list When applying to college, use the information you have gathered from college visits, interviews, and your own research. It is okay to apply to colleges that you think will be more difficult to get accepted. It is also important to put a few safety schools (where you are sure you will get in) on your list. Talk to counselors, teachers, and parents about your final choices.</p> <p>Stay on track with your grades and extracurricular activities Colleges will look at what you have done in your senior year, so stay focused on doing well in your classes and maintaining a commitment to extracurricular activities.</p> <p>Submit financial aid forms No matter your family's income level, the FAFSA/TASFA is your main priority for financial aid purposes as it will determine how much you are expected to pay toward your college expenses. The FAFSA/TASFA form is required per House Bill 3 to meet graduation requirements. Students who wish to submit an opt-out form need to see their high school counselor. More information can be found at College for All Texans.</p> <p>Take standardized tests Register for and take the ACT or SAT. Be sure you have requested your test scores be sent to the colleges of your choice.</p> <p>Keep track of deadlines You will be filling out many forms this year, so it is important to know which form is due when. Make a calendar showing the application deadlines for admission, financial aid, and scholarships. Please refer to the Peaster ISD Local Scholarship deadline criteria.</p> <p>Ask for letters of recommendation Give letter of recommendation forms to the teachers you have chosen, along with stamped, addressed envelopes (if needed) so your teachers can send them directly to the colleges. Be sure to fill out your name and address and the school name on each form. Discuss your goals and ambitions with your teachers so they will be more prepared to write about you. Be sure to write a thank you note to each individual who recommended you.</p> <p>Meet with your counselor Your counselor can help you stay on track with admissions requirements. Make sure your counselor knows to which colleges you want transcripts, score reports, and letters mailed. Give your counselors any necessary forms much earlier than the actual deadlines so they will be able to submit them on time.</p> <p>Complete applications Finish the application forms for your schools of interest. Proofread your applications and make extra copies before you send them. Make sure you and your school's counseling office have sent all necessary materials, including test scores, recommendations, transcripts, and application essays. You should plan to get all this done before winter break so you will not be rushing to make deadlines.</p> <p>Transcripts: Official transcripts must be requested using the Peaster ISD Form.</p> |
| Winter | <p>Scholarship search Apply for scholarships that have deadlines approaching and keep searching for more scholarship and grant opportunities. Using online scholarship search tools is a great way to find potential aid. Ask colleges about available scholarships. Please refer to the Peaster ISD Local Scholarship deadline criteria.</p> <p>Send mid-year grade reports Ask your counselor to send your mid-year grade reports to your college of interest. Remember that schools will continue to keep track of your grades, so it is important to keep working hard throughout your senior year.</p> |

Spring

Watch your mail and email for notifications from colleges

If you applied under the regular application process, you should receive an admissions decision by March or April. Notifications of financial aid awards should arrive by the end of April.

Compare financial aid packages

Make sure to consider each financial aid award carefully. If you have questions, contact the financial aid office of the college to get more information. Financial aid is a key factor in deciding where you will attend.

Make your final college and career decisions

Notify all schools of your intent by May 1. If you are not sure which college offers to accept, make one more campus visit to the schools you are considering. Make sure to send your deposit to your chosen school and ask your school counselor to send your final transcript to the college in June.

Peaster ISD Graduation Plan

The goal of the Peaster ISD is that all students will graduate on the Foundation + Endorsement Distinguished Level of Achievement graduation plan and that all students will be college and career ready.

| | Foundation with Endorsement(s) Or Distinguished Achievement with Endorsement | Foundation High School Program <i>(may only be selected at the conclusion of the 10th grade year and with administrator approval)</i> |
|-------------------------------------|--|--|
| English Language Arts | 4 Credits <ul style="list-style-type: none"> · English I · English II · English III · Advanced English course | 4 Credits <ul style="list-style-type: none"> · English I · English II · English III · Advanced English course |
| Mathematics | 4 Credits <ul style="list-style-type: none"> · Algebra I · Geometry · Two advanced math courses* (<i>Algebra II is required for distinguished level of achievement and for some endorsements</i>) | 3 Credits <ul style="list-style-type: none"> · Algebra I · Geometry · An advanced math course |
| Science | 4 Credits <ul style="list-style-type: none"> · Integrated Physics and Chemistry (IPC) Should be taken concurrently with Algebra I · Biology · Two additional advanced science courses (Chemistry and/or Physics required for some programs of study.) <p>Lab Sciences are: IPC, Chemistry, and Physics</p> | 3 Credits <ul style="list-style-type: none"> · Integrated Physics and Chemistry (IPC) · Biology · One additional advanced science course |
| Social Studies | 4 Credits <ul style="list-style-type: none"> · World Geography · World History · US History · Government/Economics (.5 credit each) | 3 Credits <ul style="list-style-type: none"> · World Geography and/or World History · US History · Government/Economics (.5 credit each) |
| Physical Education | 1 Credit | 1 Credit |
| Languages Other Than English (LOTE) | 2 Credits from the same language | 2 Credits from the same language |
| Fine Arts | 1 Credit | 1 Credit |
| Electives | 6 Credits <i>(Includes the credit requirements of the student's declared endorsement)</i> | 5 Elective Credits |
| Total Credits | 26 | 22 |

Peaster ISD Endorsements

Peaster ISD offers all five Texas Education Agency approved endorsements for our students. Students may choose to earn more than one endorsement. Please read through the information below when planning your student's endorsements,

| Endorsement | Program of Study | 9th | 10th | 11th | 12th | CTSO | Certification |
|---|---|--|--|--|---|-------|----------------------|
| Business and Industry | Animal Science | Principles of Agriculture, Food, and Natural Resources | Small Animal Management/ Equine Science | Veterinary Technology | Advanced Animal Science | FFA | |
| | Applied Agricultural Engineering | Principles of Agriculture, Food, and Natural Resources | Agricultural Mechanics and Metal Technologies/ lab | Agricultural Structures Design and Fabrication/Lab | Practicum in Agriculture, Food, and Natural Resources | FFA | AWS Certified Welder |
| | Plant Science | Principles of Agriculture, Food, and Natural Resources | Floral Design | Horticulture | Advanced Floral Design | FFA | |
| | Culinary Arts | Principles of Hospitality | Culinary Arts | Advanced Culinary Art | | FCCLA | |
| | Graphic Design and Multimedia Arts | Principles of Arts, A/V Technology, and Communications | Graphic Design and Illustration 1 | Graphic Design and Illustration 2 | Career Preparation 1 (must have a job) | | |
| Public Service | Exercise Science and Wellness | Principles of Exercise Science and Wellness | Kinesiology 1 | Kinesiology 2 | Practicum of Entrepreneurship or Career Preparation 1 | | |
| | Health Science | Principles of Health Science | Medical Terminology | Anatomy and Physiology | | | |
| | Teaching and Training | Principles of Education and Training | Child Development or Human Growth and Development | Instructional Practices | Practicum in Education and Training | FCCLA | Educational Aide 1 |
| Science, Technology, Engineering and Mathematics | STEM | Fundamentals of Computer Science | Computer Science 1 | Computer Science 2 | Career Preparation 1 | | |
| Arts and Humanities | | Fine Arts (Band, Theater, Art) | Fine Arts (Band, Theater, Art) | Fine Arts (Band, Theater, Art) | Fine Arts (Band, Theater, Art) | | |
| Multi-Disciplinary | 4 advanced courses from other endorsement areas; 4 credits in each foundation subject area, including English 4 and chemistry and/or physics; 4 credits in Honors or Dual Credit from English, Mathematics, Science, Social Studies, Economics, LOTE or fine arts | | | | | | |

To earn an endorsement in Business & Industry or Public Service a student must take four or more Career & Technical Education (CTE) credits consisting of at least two courses in the same Program of Study that lead to a final course in the program. At least one course must be an advanced CTE course (11th or 12th grade). To earn an endorsement in STEM a student must take four or more credits in a STEM Program of Study. Students should aim to be a complete student within one Program of Study. A completer is a student who completes, passes, and receives credit for three or more CTE courses for at least four or more credits (course selection must include at least one course listed in the third or fourth sequence of courses).

Peaster High School Course Descriptions 2023-24

All classes listed in the PHS Course Catalog may not be offered every year

ENGLISH/LANGUAGE ARTS

The English Language Arts department will focus on close reading and composition skills to increase analytical skills in preparation for End Of Course Exams, ACT, SAT and college preparation as they relate to reading, writing, speaking, and listening with an appropriate emphasis on related technology.

English I

Grade: 9 Length: 1 Year Credit: 1

English I is an integrated program emphasizing writing and language skills and reading and literature skills based on the state TEKS. Emphasis will be placed on vocabulary, mechanics, usage, poetry, short stories, the novel, drama, and the critical analysis of various authors' work through the continued development of these skills. Composition instruction stresses the process approach to communicating ideas effectively. Writing assignments include single and multi-paragraph compositions of a variety of types. Various technological assignments, research projects, rote memory assignments, and oral presentations with visual representations of a critical nature will be completed throughout the year.

English I Honors

Grade: 9 Length: 1 Year Credit: 1

Recommendation: Passing previous year ELA STAAR/EOC scores and 70 or above in previous ELA class.

In this advanced placement course, students are engaged in the careful study of literature works of recognized merit. Through such study, students sharpen their focus on the critical analysis of the author's use of tone, diction, and detail expositions, short stories, plays, poems, and novels. Beginning process for the research project/paper will be implemented.

English II

Grade: 10 Length: 1 Year Credit: 1

Prerequisite: Credit received in English I

English II continues to stress the integration of literature, composition, language, and reading. Literature is studied through a thematic approach of various world literature selections and authors. Composition skills in this course are essentially the same as those for English I so that students may gain greater control over the fundamentals of the writing process. Projects which focus on developing research skills are emphasized. Language study is primarily a review of the grammatical structure of sentences, usage, and vocabulary development. Throughout all phases of the sophomore curriculum, emphasis is placed upon the teaching of the writing and reading objectives the state has issued as TEKS. Literature used in this class may include novels, short stories, vignettes, excerpts, articles, plays, poems, and students trading and reading each other's original works.

English II Honors

Grade: 10 Length: 1 Year Credit: 1

Recommendation: Passing previous year ELA STAAR/EOC scores and 70 or above in previous ELA class.

This course is designed for sophomore Honors students and covers a wide body of literature, including novels, plays, short stories, poems, nonfiction, and media. It involves close reading, associative thinking, conventions of literary discourse, composition, grammar, and vocabulary, as well as viewing and representing material. Technology is used to facilitate mastery of these skills.

English III

Grade: 11 Length: 1 Year Credit: 1

Prerequisite: Credit received in English II

English III focuses on critical reading, composition, grammar, vocabulary, viewing and representing, and research. Three goals are to prepare students for high stakes testing, sharpen the ability to communicate in written form, and convey the chronology of multicultural American literature. Students will also be able to write effectively for many different purposes and connect multicultural and American literature to current and historical media.

English III or IV - Dual Credit 1301&1302

Grade: 11-12 Length: 1 Year Credit: 1

Prerequisite: Passing score on TSI, or exempt based on ACT/SAT scores. Credit: 1 high school credit/3 - 6 hours college English credit from Weatherford College

This course merges a one-year high school course that applies ½ credit per semester toward high school graduation with two separate three-semester hour college credit courses. The course covers a Study of English literature from the beginning of literary development through the twentieth century, correlating the various periods of English literature with the historical events of each period. The course will require students to develop critical reading, writing, and thinking skills vital to the composition process. Students will learn techniques for effective oral and written expression through the blending of the essential elements and the college level writing competencies, including essay writing, spelling, vocabulary development, and library research.

English III Honors

Grade: 11 Length: 1 Year Credit: 1

Students should be able to analyze and interpret samples of good writing, identify and explain rhetorical strategies and techniques, apply effective strategies and techniques in their own writing, create and sustain arguments based on readings, research and/or personal experience, and produce expository, analytical and argumentative compositions.

English IV

Grade: 12 Length: 1 Year Credit: 1

Prerequisite: Received credit in English III

English IV focuses on exposure to other cultures, appreciation of global diversity, and understanding of cross-cultural similarities. Critical analysis is emphasized through language and composition skills.

English IV - Dual Credit 2321 & 2326

Grade: 12 Length: 1 Year Credit: 1

Prerequisite: Passing score on TSI, or exempt based on ACT/SAT scores. Must have taken Dual English 1301 and 1302

Credit: 1 high school credit/3 - 6 hours college English credit from Weatherford College

This course is a survey of British literature designed to introduce the student to various time periods ranging from the 16th century to the present day. Emphasis will be placed upon the critical interpretation of the literature as well as the philosophical underpinnings of a given artifact. Each artifact will be examined from a variety of critical perspectives, drawing into the conversation criticism written about the themes presented or the artifact under scrutiny and various peripheral texts as they pertain to a given theme or technique. Students will engage in critical thinking regarding various texts in the form of both formal and informal writing. Each work will provide opportunity for a literary analysis from a critical, thematic perspective. Additionally, the student will read and interpret poetry, applying the same goals as with the rest of the literature.

English IV Honors

Grade: 12 Length: 1 Year Credit: 1

Students study literacy works of recognized merits with a strong emphasis on British authors to sharpen their awareness of language and craft. Writing assignments focus on the author's use of tone, diction, detail, point of view, organization, and syntax. Technology is incorporated for presentations and research projects.

MATHEMATICS

Four credits of mathematics are required for graduation. Peaster High School offers a diversified program to meet the needs and interests of all students.

Algebra I

Grade: 9 Length: 1 Year Credit: 1

This course shall be the initial mathematics course designed for students enrolled in Algebra I. The development and understanding of basic algebraic principles will be the point of emphasis. Topics such as linear functions, inequalities, systems, exponents, and introductory polynomial operations will be covered. Linear equations and graphs are heavily emphasized. Word problems will be used on a regular basis.

Geometry

Grade: 9-10 Length: 1 Year Credit: 1

Prerequisite: Algebra I

The course in geometry shall consist of content from the standard Euclidean Geometry with increased emphasis on coordinate geometry and algebraic proof. In addition, the course shall incorporate the essentials of solid geometry through the extension of two dimensional concepts, relationships, and applications to the third dimension.

Geometry Honors

Grade: 9-10 Length: 1 Year Credit: 1

This course is designed to enrich the regular geometry course with extensive use of problem solving techniques and discovery activities. Students will study the use of geometry in optics, chemistry, ecology, space, architecture, nature, etc. Activities will promote critical thinking and real-world applications of geometry concepts.

Math Models

Grade: 11 Length: 1 Year Credit: 1

This course is designed to reinforce Algebra 1 skills. This is for students who struggled and did not do well in Algebra 1. Please check with your Algebra 1 math teacher to see if this course is needed before going into Geometry.

Algebraic Reasoning

Grade: 10-11 Length: 1 Year Credit: 1

Algebraic reasoning is a way of thinking that allows students to see patterns and relationships in equations and to make generalizations about those relationships. It allows students to use variables and algebraic expressions to represent relations, making solving problems easier. Please check with your Algebra 1 math teacher to see if this course is needed before going into Algebra II.

Algebra II

Grade: 10-12 Length: 1 Year Credit: 1

Prerequisite: Algebra I and Geometry

Algebra II is a continuation of the concepts introduced in Algebra I. This course explores the major algebraic functions and their properties including linear, quadratic, absolute value, cubic, rational, radical, exponential, logarithmic, and other polynomials. Equation solving and its applications are crucial aspects of this course.

Algebra II Honors

Grade: 10-12 Length: 1 Year Credit: 1

Prerequisite: Algebra I and Geometry

This course shall be the advanced mathematics course designed for students enrolled in Algebra II. Algebra II is a continuation of the concepts introduced in Algebra I. This course explores the major algebraic functions and their properties in a deeper and more meaningful capacity. The topics include linear, quadratic, absolute value, cubic, rational, radical, exponential, logarithmic, and other polynomial functions. Equation solving and its applications are crucial aspects of this course.

Mathematical Applications in Agriculture, Food, and Natural Resources

Grade: 10-12 Length: 1 Year Credit: 1

Prerequisite: Algebra I. Recommended Prerequisites: One credit from the courses in the Agriculture, Food, and Natural Resources Career Cluster.

In Mathematical Applications in Agriculture, Food, and Natural Resources, students will apply knowledge and skills related to mathematics, including algebra, geometry, and data analysis in the context of agriculture, food, and natural resources.

Note: This course satisfies a math credit requirement for students on the Foundation High School Program.

Pre-Calculus Honors

Grade: 11-12 Length: 1 Year Credit: 1

Prerequisite: Algebra I, Geometry, and Algebra II

Pre-Calculus is designed to prepare students for Calculus. Students are expected to follow a rigorous and thorough development of mathematical skills in line with other advanced classes. This course will extend algebraic and geometric concepts. Topics include various function explorations, complex numbers, trigonometry, conic sections, and an introduction to limits.

Honors Calculus

Grade: 11-12 Length: 1 Year Credit: 1

This course is designed for the student who has displayed exceptional ability in mathematics and/or who plans to enter a field in which advanced mathematics is necessary. The course will prepare the student for college calculus, possibly enabling the student to place out of the first semester of college calculus via the Calculus AB Advanced Placement Exam or other exams.

Dual Credit College Algebra**Grade: 12 Length: 1 Semester Credit: 1****Prerequisite: Passing score on TSI, or exempt based on ACT/SAT scores.**

This course will be taught through Weatherford College and will follow their syllabus and grading guidelines. The course will cover exponents and radicals, logarithms, factoring, algebraic quotients, systems of equations, inequalities, absolute value, complex numbers, quadratic equations, binomial theorem, progressions, theory of equations, and determinants.

Dual Credit Statistics**Grade: 12 Length: 1 Semester Credit: 1****Prerequisite: Passing score on TSI, or exempt based on ACT/SAT scores.**

The course will be taught through Weatherford College and will follow their syllabus and grading guidelines. An elementary course in statistics including the following topics and their applications in various fields; probability; population sampling; collection sampling; collection; regression, the normal distribution; and hypothesis testing.

SCIENCE

Four credits of science are required for graduation. Peaster High School offers a diversified program to meet the needs and interests of all students.

Integrated Physics and Chemistry (IPC)

Grade: 9 Length: 1 Year Credit: 1

In Integrated Physics and Chemistry, students conduct laboratory and field investigations, use scientific practices during investigation, and make informed decisions using critical thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry in the following topics: force, motion, energy, and matter.

Biology

Grade:9- 10 Length: 1 Year Credit: 1

In Biology, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical-thinking and scientific problem solving. Students in Biology study a variety of topics that include structures and functions of cells and viruses; growth and development of organisms; cells, tissues and organs; nucleic acids and genetics; biological evolution; taxonomy; metabolism and energy transfer in living organisms; living systems; homeostasis; and plants and the environment.

Biology Honors

Grade: 9-10 Length: 1 Year Credit: 1

Honors Biology is an extensive and rigorous laboratory-centered course with emphasis on logical analysis of data to form valid conclusions. The student will conduct experimental research projects following scientific thought processes. Concepts covered in the course will be TEKS defined. Specific items of study will include cellular structure, function and replication, protein synthesis and genetics, natural selection and speciation, comparative study of plants and animal systems including classification of these organisms, adaptive lifestyles of organisms, and the harmful and beneficial interaction of the organisms with their environment.

Chemistry

Grade: 10-12 Length: 1 Year Credit: 1

In Chemistry, students conduct laboratory investigations through the use of scientific thought and inquiry. The student will learn the proper techniques in setting up, running, collecting data, analyzing the data and developing a valid conclusion from the analysis of data in an experimental process. Safety will be stressed during experimentation. Students study a variety of topics that include characteristics of matter, energy transformations during physical and chemical changes, atomic structure, periodic table and the periodic law, behavior of gasses, bonding, nuclear energy, oxidation-reduction reactions, chemical equations, solutes, properties of solutions, acids and bases, and chemical reactions. Students will investigate how chemistry is an integral part of their daily lives.

Chemistry Honors

Grade: 10-12 Length: 1 Year Credit: 1

In Chemistry Honors, students study a variety of topics that include characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solution chemistry, thermochemistry, and nuclear chemistry. Students will investigate how chemistry is an integral part of our daily lives. To be successful in this class, the student needs to have a working knowledge of algebra and geometry. For Chemistry Honors, this first year chemistry course is inquiry-based and more in-depth than Chemistry.

Physics

Grade: 10-12 Length: 1 Year Credit: 1

Prerequisite: Biology and Algebra I

Physics is the study of the interactions of matter and energy. Students are introduced to basic concepts in the areas of motion, mechanics, waves, heat, optical devices, electricity, magnetism, and quantum theory. Student investigations emphasize accurate observations, collection and analysis of data, and the safe manipulation of laboratory apparatus and materials

Physics Honors

Grade: 10-12 Length: 1 Year Credit: 1

Honors Physics exceeds the traditional survey course by providing a more in-depth study of physics principles and issues. Topics presented in the Honors Physics course will target the pre professional student (i.e. engineering and health professions). Lecture topics will include kinematics, statics, non-linear motion, thermodynamics, energy conservation laws, wave properties, sound, light, and optics. Mathematical calculations involving these areas are integral components of the course.

Anatomy and Physiology

Grade: 12 Length: 1 Year Credit: 1

Prerequisites: Biology, Physics and Chemistry or concurrent enrollment in Chemistry In

Anatomy and Physiology, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis.

Aquatic Science

Grade: 12 Length: 1 Year Credit: 1

Prerequisite: Biology and Chemistry or concurrent enrollment in Chemistry Aquatic

science is a lab-oriented course with many opportunities for learning both in the laboratory and the classroom. Students will be given opportunities to examine aquatic specimens and learning will be enhanced as they care for aquatic life in the classroom.

Environmental Systems

Grades: 11-12 Length: 1 Year Credit: 1

Environmental Systems is a course in which students study a variety of topics that include: biotic and abiotic factors in habitats; ecosystems and biomes; interrelationships among resources and an environmental system; sources and flow of energy through an environmental system; relationships between carrying capacity and changes in populations and ecosystems; and changes in environments. Students will conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving.

Advanced Animal Science

Grade: 11-12 Length: 1 Year Credit: 1

Prerequisite: Principles of Agriculture, Food & Natural Resources, Small Animal Management or Equine Science, Biology, Chemistry or IPC, Algebra I and Geometry. This may only serve as the fourth science course. Recommended Prerequisite: Veterinary Medical Applications.

This course will be 60% course work and 40% lab. Students will develop knowledge and skills related to animal systems, career opportunities, entry requirements, and industry standards. Students will also learn about the scientific process and principles as applied through the animal industry.

Dual Credit (Fall only) Advanced Animal Science

Grade: 11-12 Length: 1 Year Credit: 1/2

Prerequisite: Principles of Agriculture, Food & Natural Resources, Small Animal Management or Equine Science, Biology, Chemistry or IPC, Algebra I and Geometry. This may only serve as the fourth science course. Recommended Prerequisite: Veterinary Medical Applications.

This course will be 60% course work and 40% lab. Students will develop knowledge and skills related to animal systems, career opportunities, entry requirements, and industry standards. Students will also learn about the scientific process and principles as applied through the animal industry.

SOCIAL STUDIES

Throughout the Social Studies curriculum, students build a foundation in history, geography, economics, government, citizenship, culture, science, technology, and social studies skills. The content, as appropriate for the grade level or course, enables students to understand the importance of patriotism, function in a free enterprise society, and appreciate the basic democratic values of our world.

World Geography

Grade:9 Length: 1 Year Credit: 1

World Geography is a comprehensive study of the relationship between people and their physical environment. It is a basic study of regional and world geography including map reading, cultural geography and physical geography.

World Geography Honors

Grade:9 Length: 1 Year Credit: 1

World Geography is a comprehensive study of the relationship between people and their physical environment. It is a basic study of regional and world geography including map reading, cultural geography and physical geography.

World History

Grade: 10 Length: 1 Year Credit: 1

World History is the study of significant people, events and issues from the earliest times to the present. Traditional historical points of reference in world history are identified as students analyze important events in western civilization as well as in civilizations in other parts of the world.

World History Honors

Grade: 10 Length: 1 Year Credit: 1

The purpose of Honors World History is to develop greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. While this course meets the World History credit for graduation, it is an accelerated course demanding extensive reading and essay writing equivalent to a college-level course.

United States History

Grade: 11 Length: 1 Year Credit: 1

In this course, which is the second part of a two-year study of U.S. History that begins in grade 8, students study the history of the United States since Reconstruction to the present. Historical content focuses on the political, economic and social events and issues related to industrialization and urbanization, major wars, domestic and foreign policies of the Cold War and post-Cold War eras, and reform movements including civil rights.

US History - Dual Credit 1301&1302

Grade: 11-12 Length: 1 Year

Prerequisite: Passing score on TSI, or exempt based on ACT/SAT scores.

Credit: 1 high school credit/3 -6 hours college Social Studies credit per semester from Weatherford College

This course merges a one-year high school course that applies ½ credit per semester toward high school graduation with two separate three-semester hour college credit courses. In this course, students study the history of the United States since Reconstruction to the present. Historical content focuses on the political, economic and social events and issues related to industrialization and urbanization, major wars, domestic and foreign policies of the Cold War and post-Cold War eras, and reform movements including civil rights.

US History Honors

Grade: 11 Length: 1 Year Credit: 1

This course is designed to prepare students for intermediate and advanced college courses. Students learn to assess historical material-their relevance to a given issue, their reliability, and their importance, and to weigh the evidence and interpretations presented in historical scholarship.

Economics

Grade: 12 Length: Semester Credit: .5

The study of Economics is the culmination of the economic content and concepts studied from Kindergarten through required secondary courses. The focus is on the basic principles concerning production, consumption, and distribution of goods and services in the United States and a comparison with those in other countries.

Dual Credit Economics 2301

Grade: 12 Length: One Semester/ 3 hours college credit

The course looks at the Economic principles, aggregate income, output, and employment; money, fiscal, and monetary policy. College course 2301 is taught simultaneously with Economics.

U. S. Government

Grade: 12 Length: Semester Credit: .5

In Government, the focus is on the principles and beliefs upon which the United States was founded and on the structure, functions, and powers of government and the national, state and local level.

Dual Credit US Government

Grade: 12 Length: One Semester/3 hours college credit

This course looks at the Origin and development of the U.S. Constitution, structure and powers of the national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties and civil rights. College course 2305 is taught simultaneously with American Government.

PHYSICAL EDUCATION

State requires one year of Physical Education credit in order to graduate which may be obtained through the following Physical Education courses or:

Marching Band
Cheerleading
Drill Team
Fall and Spring U.I.L. sports that are after-school

Adventures/Outdoor Education

Grade: 9-12 Length: 1 Year Credit: 1

Outdoor education is a PE course that focuses on different outdoor skills such as hiking, fishing, camping, and hunting.

Athletics

Grade: 9-12 Length: 1 Year Credit 1

Boys Athletics: football, basketball, cross country, tennis, powerlifting, baseball, track

Girls Athletics: volleyball, basketball, cross country, tennis, powerlifting, softball, track

Foundations of Personal Fitness

Grade: 9-12 Length: 1 Year Credit: 1

Personal Fitness is a course that teaches foundations of personal fitness. There are activities and discussions as they relate to physical education. Topics thoughts: Importance of P.E, Safety, Cardiovascular, Flexibility, Body Composition, Nutrition and Weight lifting.

FINE ARTS

Art I

Grade: 9-12 Length: 1 Year Credit: 1

This is an introductory course to the visual arts. The student will explore a variety of concepts and media to analyze, create, and evaluate works of art. The student will often choose the content and media used for an artwork by setting personal goals that include related vocabulary and research. The student will reflect on their progress daily by writing in a personal journal.

Art II, III, IV

Grade: 9-12 Length: 1 Year Credit: 1 Prerequisite: Art I

The student will often choose the content and media used for an artwork by setting personal goals that include related vocabulary and research. As background for their artmaking, students will also study art history, analyze artworks made by others, and reflect on their progress daily by writing in a personal journal.

Floral Design- CTE Course

Grade: 10-12 Length: 1 Year Credit: 1

Prerequisite: Principles of Agriculture, Food & Natural Resources

The student identifies design principles and techniques in floral art and interiors capes, demonstrates floral design principles and techniques and develops and formulates ideas from the environment The student makes informed judgments about personal designs and the designs of others, demonstrates contemporary designs, business practices, specialty items, and creativity in the floral industry by developing floral design skills The student knows the management factors of floral enterprises and learns the employability characteristics of a successful employee. Peaster FFA is an intra-curricular part of the Ag Food and Natural Resources Cluster. Each student is required to maintain a Supervised Agricultural Experience Project (SAEP). These can consist of anything from an animal project and job placement to ag mechanics and science fair projects. Each class will also be working on training several leadership development events (LDE) and career development event (CDE) teams. **This course meets the requirement of the one-year Fine Arts graduation credit.**

Music Band I,II, III, IV

Grade: 9-12 Length: 1 Year Credit: 1

Prerequisite: Middle School Band or Director Approval

Band is a program in instrumental instruction. Course objectives as applicable to the level in which they are in and include the development of skills in artistic and analytical perception; creative expression through the development of basic performance skills; the ability to synthesize music of various historical and cultural heritages; and to acquire critical thinking skills through the assessment of established musical and artistic criteria.

Theater Arts I, II, III, IV

Grade: 9-12 Length: 1 Year Credit: 1

Prerequisite: None

The student will develop concepts about self, relationships and the environment through expressive use of the body and voice, acting concepts, interpretation of characters and creating dramatizations. They will apply theater production concepts and study historical and cultural influences on theater. They will attend and evaluate the theatrical performances.

Theater Production I, II, III, IV

Grade: 9-12 Length: 1 Year Credit: 1

Prerequisite: Approval from the Theater Arts teacher

This class is dedicated to the production of plays and affords students the opportunity to design and construct sets, from building flats for walls to special-effects painting; design and construct costumes; practice special-effects stage makeup; learn and operate lighting and

sound systems;and rehearse and perform. Students enrolled in this course will participate in diverse projects, problem-solving and exploring vocational aspects of theater. All coursework is project-based. Students in this class will produce at least two plays each year. Advanced students will create a portfolio of their work.

FOREIGN LANGUAGES

Spanish I

Grade: 9-12 Length: 1 Year Credit: 1

Basic concepts of the Spanish language are presented. Emphasis will be placed on listening skills, pronunciation and speaking skills and grammar. Classes are successive and progressive on material covered. Cultural and historical aspects of Hispanic life will be studied. Students need to review and practice every day during their home study time in order to become proficient.

Spanish II

Grade: 9-12 Length: 1 Year Credit: 1

Prerequisite: Spanish I

The objectives of the course evolve from the TEKS for LOTE required by the state. The program is sequential and is composed of skills in listening, speaking, reading and writing; an awareness of the history of the Hispanic people; and skills that result in the application of the language learning process to the study of other languages. Emphasis is placed on oral proficiency.

Spanish III

Grade: 10-12 Length: 1 Year Credit: 1

Prerequisite: Spanish I & II (offered as an online, independent course).

Spanish III is an honors course that covers history, culture and advanced Spanish grammar of all Spanish-speaking countries. The student should be able to engage in oral and written exchanges to socialize and to provide and obtain information in Spanish. It is a full-year course.

CAREER AND TECHNICAL EDUCATION

All classes listed in the PHS Course Catalog may not be offered every year

BUSINESS & INDUSTRY ENDORSEMENT

AGRICULTURAL SCIENCES CAREER PATHWAY

Principles of Agriculture, Food & Natural Resources

Grade: 9-11 or any FIRST YEAR Ag Student Length: 1 Year Credit: 1

This course allows students to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for success, students need to have opportunities to learn, reinforce, experience, apply, and transfer their knowledge and skills in a variety of settings. Peaster FFA is an intra-curricular part of the Ag Food and Natural Resources Cluster. Each student is required to maintain a Supervised Agricultural Experience Project (SAEP). These can consist of anything from an animal project and job placement to ag mechanics and science fair projects. Each class will also be working on training several leadership development events (LDE) and career development event (CDE) teams.

AG MECHANICS PROGRAM OF STUDY

Agricultural Mechanics and Metal Technologies

Grade: 10-12 Length: 1 Year Credit: 1

Prerequisite: Principles of Agriculture, Food & Natural Resources

The student learns the employability skills of a successful employee to meet current industry standards and society, follows operating instructions for tools and equipment to perform a given task, identifies and performs electric wiring skills, and plumbing skills. The student identifies fencing methods, performs appropriate cold and hot metal techniques and knows metal merging technology and processes relating to assembly of equipment in agricultural systems operations. The student plans and performs cost-effective construction techniques. Peaster FFA is an intra-curricular part of the Ag Food and Natural Resources Cluster. Each class will also be working on training several leadership development events (LDE) and career development event (CDE) teams.

Agriculture Equipment Design & Fabrication

Grade: 11-12 Length: 1 Year Credit: 1

**Prerequisite: Principles of Agriculture, Food and Natural Resources and
Agricultural Mechanics and Metal Technologies**

In Agricultural Equipment Design and Fabrication, students will acquire knowledge and skills related to the design and fabrication of agricultural equipment. To prepare for careers in mechanized agriculture and technical systems, students must attain knowledge and skills related to agricultural equipment design and fabrication. Peaster FFA is an intra-curricular part of the

Ag Food and Natural Resources Cluster. Each class will also be working on training several leadership development events (LDE) and career development event (CDE) teams.

Agriculture Structures Design & Fabrication

Grade: 11-12 Length: 1 Year Credit: 1

Prerequisite: Principles of Agriculture, Food & Natural Resources and Agriculture Mechanics & Metal Technology

In Agricultural Structures Design and Fabrication, students will explore career opportunities, entry requirements, and industry expectations. To prepare for careers in mechanized agriculture and technical systems, students must attain knowledge and skills related to agricultural structures design and fabrication. Peaster FFA is an intra-curricular part of the Ag Food and Natural Resources Cluster. Each class will also be working on training several leadership development events (LDE) and career development event (CDE) teams.

Practicum in Agriculture

Grade: 12 Length: 1 Year Credit: 2-3

A Practicum in Agriculture, Food, and Natural Resources is an opportunity for students to use the knowledge and skills they have gained through a coherent sequence of classes in the Agriculture, Food, and Natural Resources Career Cluster. The practicum experiences can include employment, independent study, internships, assistantships, mentorships, or laboratories. The practicum course can be paid or unpaid.

ANIMAL SCIENCE PROGRAM OF STUDY

Equine Science

Grade: 10-12 Length: 1 Year Credit: 1/2

Prerequisite: Principles of Agriculture, Food & Natural Resources

The student will analyze the proper care, nutrition, and selection of horses. Additionally, issues facing the equine industry will be researched. Finally, students will delve into the broad world of careers in the equine industry. Animals to be covered could include, but are not limited to, horses, mules, and donkeys. Peaster FFA is an intra-curricular part of the Ag Food and Natural Resources Cluster. Each class will also be working on training several leadership development events (LDE) and career development event (CDE) teams.

Small Animal Management

Grade: 10-12 Length: 1 Year Credit: 1/2

Prerequisite: Principles of Agriculture, Food & Natural Resources

The student describes the importance of responsible small animal ownership, learns the hazards associated with working in the small animal industry and evaluates current topics in animal rights and animal welfare. The student knows the care and management requirements for a variety of small animals, examines career opportunities in small animal care and learns the employability characteristics of a successful employee. Peaster FFA is an intra-curricular part of the Ag Food and Natural Resources Cluster. Each class will also be working on training several leadership development events (LDE) and career development event (CDE) teams.

Advanced Animal Science

Grade: 11-12 Length: 1 Year Credit: 1

Prerequisite: Principles of Agriculture, Food & Natural Resources, Small Animal Management or Equine Science, Biology, Chemistry or IPC, Algebra I and Geometry. Recommended Prerequisite: Veterinary Medical Applications.

This course will be 60% course work and 40% lab. Students will develop knowledge and skills related to animal systems, career opportunities, entry requirements, and industry standards. Students will also learn about the scientific process and principles as applied through the animal industry. Peaster FFA is an intra-curricular part of the Ag Food and Natural Resources Cluster. Each class will also be working on training several leadership development events (LDE) and career development event (CDE) teams.

Veterinary Medical Applications

Grade: 11-12 Length: 1 Year Credit: 1

Prerequisite: Principles of Agriculture, Food & Natural Resources, Small Animal Management and Equine Science

The student learns the employability characteristics of a successful employee, researches current topics in veterinary medicine, recognizes the importance of animals in society, and discusses professional ethics and laws that relate to veterinary medicine. The student evaluates veterinary hospital management and marketing to determine its importance to the success of veterinary clinics and hospitals, communicates the importance of medical terminology, evaluates veterinary terms to discover their meanings, and demonstrates the ability to use terms correctly. The student explores the area of animal management as it relates to animal identification, animal characteristics, and behavioral temperament. The student investigates the body systems and gains a working knowledge of each system's purpose and functions and how each system is affected by disease. The student evaluates animal diseases and identifies internal and external parasites. The student evaluates an animal's health during a clinical examination, determines nutritional requirements for ruminant and non-ruminant animals and communicates the importance of animal nutrition in maintaining a healthy animal. The student examines various aspects of clinical hematology, identifies and discusses surgical-assisting procedures, skills, and objectives and identifies pharmacology-assisting procedures, skills, and objectives that are included in the job description of an animal care assistant. Peaster FFA is an intra-curricular part of the Ag Food and Natural Resources Cluster.

Practicum in Agriculture

Grade: 12 Length: 1 Year Credit: 2-3

A Practicum in Agriculture, Food, and Natural Resources is an opportunity for students to use the knowledge and skills they have gained through a coherent sequence of classes in the Agriculture, Food, and Natural Resources Career Cluster. The practicum experiences can include employment, independent study, internships, assistantships, mentorships, or laboratories. The practicum course can be paid

HORTICULTURE SCIENCE PROGRAM OF STUDY

Floral Design

Grade: 10-12 Length: 1 Year Credit: 1

Prerequisite: Principles of Agriculture, Food & Natural Resources

The student identifies design principles and techniques in floral art and interiors capes, demonstrates floral design principles and techniques and develops and formulates ideas from the environment. The student makes informed judgments about personal designs and the designs of others, demonstrates contemporary designs, business practices, specialty items, and creativity in the floral industry by developing floral design skills. The student knows the management factors of floral enterprises and learns the employability characteristics of a successful employee. Peaster FFA is an intra-curricular part of the Ag Food and Natural Resources Cluster. Each class will also be working on training several leadership development events (LDE) and career development event (CDE) teams. **This course meets the requirement of the one-year Fine Arts graduation credit.**

Advanced Floral Design

Grade: 11-12 Length: 1 Year Credit: 1

Prerequisite: Principles of Agriculture, Food & Natural Resources and Floral Design

The Advanced Floral Design course is designed to allow students to build on the knowledge and skills learned in Floral Design and they are introduced to more advanced floral design concepts, with an emphasis on specialty designs and specific occasion planning.

BUSINESS & INDUSTRY ENDORSEMENT

AUDIO/VIDEO CAREER PATHWAY

Principles of Arts, Audio/Video Technology, and Communications

Grade: 9-12 Length: 1 Year Credit: 1

In this course students will learn the fundamentals of audio/video technology careers while creating short films and videos employing live action and animation. Students will view technology as an important tool for the artist and use computer programs to facilitate the process of exploring, developing ideas, and producing finished work. Students will learn the basics of hardware and a variety of art software programs. The student will build a visual electronic portfolio throughout the course. Careers in the Arts, Audio/Video Technology, and Communications Career Cluster require a creative aptitude, and strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication.

Audio Video Production I, II

Grade: 10-12 Length: 1 Year Credit: 1

Prerequisite: PRINAAVTC

This course will explore the Audio and Video production industry and its post-secondary

educational and career opportunities. Students will gain job-specific training for entry level employment in audio, video, television, and motion picture careers. Professional grade equipment and software will be used in the creation of student lead productions. Students will be involved in every aspect of several class and small group audio, video, and film style production projects with emphasis on TV studio broadcasting and news production projects.

BUSINESS & INDUSTRY ENDORSEMENT CULINARY ARTS CAREER PATHWAY

Principles of Hospitality and Tourism

Grades: 9-10 Length: 1 Year Credit: 1 Year

Principles of Hospitality and Tourism introduces students to an industry that encompasses lodging, travel and tourism, recreation, amusements, attractions, and food/beverage operations. Students learn knowledge and skills focusing on communication, time management, and customer service that meet industry standards. Students will explore the history of the hospitality and tourism industry and examine characteristics needed for success in that industry.

Culinary Arts

Grades: 10-12 Length: 1 Year Credit: 2

Culinary Arts begins with the fundamentals and principles of the art of cooking and the science of baking and includes management and production skills and techniques. Students can pursue a national sanitation certification or other appropriate industry certifications. This course is offered as a laboratory-based course.

Advanced Culinary Arts

Grades: 11-12 Length: 1 Year Credit: 2

Prerequisite: Culinary Arts

Advanced Culinary Arts will extend content and enhance skills introduced in Culinary Arts by in depth instruction of industry-driven standards to prepare students for success in higher education, certifications, and/or immediate employment.

PUBLIC SERVICES ENDORSEMENT EDUCATION AND TRAINING CAREER PATHWAY

Principles of Education and Training

Grade: 9-11 FIRST YEAR Education & Training Student Length: 1 Year

Credit:1

Principles of Education and Training will introduce learners to the various careers available within the education and training career cluster and will provide the foundation students will need to go into the Instructional Practices class. Students will use self-knowledge and educational and career information to analyze various careers. Students will also gain an understanding of the basic knowledge and skills essential to careers within the education and

training career cluster and develop a graduation plan that leads to a career choice in the student's specific interest area. This cluster is not only recommended for those who are interested in education, but also those interested in health and social sciences. Students are encouraged to become active in the Family, Career and Community Leaders of America (FCCLA) chapter at PHS to learn leadership skills, become involved in service projects and participate in fun and interesting field trips as well as regional and state leadership activities.

Human Growth and Development

Grade: 10-12 Length: 1 Year Credit: 1

Prerequisite: Principles of Education and Training

Human Growth and Development examines human development across the lifespan beginning with prenatal care and continuing through late adulthood with emphasis on research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones. The course covers material that is generally taught in a postsecondary, one-semester introductory course in developmental psychology or human development. Students are encouraged to become active in the Family, Career and Community Leaders of America (FCCLA) chapter at PHS to learn leadership skills, become involved in service projects and participate in fun and interesting field trips as well as regional and state leadership activities

Child Development

Grade: 10-11 Length: 1 Year Credit: 1

Child Development is a technical laboratory course that addresses knowledge and skills related to child growth and development from prenatal through school-age children, equipping students with child development skills. Students use these skills to promote the well-being and healthy development of children and investigate careers related to the care and education of children.

Instructional Practices in Education and Training (Ready, Set, TeachI)

Grade: 11-12 Length: 1 Year Credit: 2

Prerequisites: Principles of Education and Training, Child Development or Human Growth and Development, an application and instructor approval.

Instructional Practices is a field-based internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education and exemplary educators or trainers in direct instructional roles with elementary and/or intermediate. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel. (This course is recommended not only for those interested in exploring a career in education, but also those interested in health sciences and social sciences.) Students are encouraged to become active in the Family, Career and Community Leaders of America (FCCLA) chapter at PHS to learn leadership skills, become involved in service projects and participate in fun and interesting field trips as well as regional and state leadership activities.. ****Students MUST complete an application and be accepted into the program.**

Practicum in Education and Training (Ready, Set, Teach II)

Grade: 12 Length: 1 Year Credit: 2

Prerequisites: Principles of Education and Training, Child Development or Human Growth and Development, Instructional Practices in Education and Training an application, and instructor approval.

Practicum in Education and Training is a field-based internship that provides students background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices. Students in the course work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education and exemplary educators in direct instructional roles with elementary and/or intermediate. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, make physical arrangements, and complete other responsibilities of classroom teachers, trainers, paraprofessionals, or other educational personnel. (This course is recommended not only for those interested in exploring a career in education, but also those interested in health sciences and social sciences.) Students are encouraged to become active in the Family, Career and Community Leaders of America (FCCLA) chapter at PHS to learn leadership skills, become involved in service projects and participate in fun and interesting field trips as well as regional and state leadership activities.. ****Students MUST complete an application and be accepted into the program.**

PUBLIC SERVICES ENDORSEMENT

HEALTH SCIENCE CAREER PATHWAY

Principles of Health Science

Grade: 9-12 FIRST YEAR Health Science Student Length:1 Year Credit: 1

The Principles of Health Science course is designed to provide an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the healthcare industry. Students are encouraged to participate in extended learning experiences such as career and technical student organizations or other leadership or extracurricular organizations.

Medical Terminology

Grade: 10-12 Length: 1 Year Credit: 1

Prerequisite: PRINHLSC

The Medical Terminology course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.

Anatomy and Physiology

Grade: 11-12 Length: 1 Year Credit: 1

Prerequisites: Biology, Physics and Chemistry or concurrent enrollment in Chemistry

In Anatomy and Physiology, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis. Students are encouraged to participate in extended learning experiences such as career and technical student organizations or other leadership or extracurricular organizations.

Principles of Exercise Science and Wellness

Grade: 9-10 Length: 1 year Credit:1

The Principles of Exercise Science and Wellness course is designed to provide for the development of knowledge and skills in fields that assist patients with maintaining physical, mental, and emotional health. Students in this course will understand diet and exercise, as well as techniques to help patients recover from injury, illness, and disease. They will also learn about introductory health science topics such as employability skills, lifespan development, and ethical and legal standards.

Kinesiology I

Grade: 10-12 Length: 1 Year Credit: 1

Prerequisite: Principles of Exercise Science and Wellness

This course is designed to introduce students to the basic concepts of kinesiology. Students will gain an understanding of body mechanics, physiological functions of muscles and movements, the history of kinesiology, and the psychological impact of sports and athletic performance.

Kinesiology II

Grade: 10-12 Length: 1 Year Credit: 1

Prerequisite: Principles of Exercise Science and Wellness

Kinesiology II course is designed to provide students an advanced level of knowledge, skills, and understanding of body composition and the effect on health, nutritional needs of physically active individuals, qualitative biomechanics, application of therapeutic modalities, appropriate rehabilitation services, and aerobic training intensity programs.

Project Based Research

Grade: 12 Length: 1 Year Credit: 1

Prerequisite: Principles of Exercise Science or Principles of Health Science

Project-Based Research is a course for students to research a real-world problem. Students are matched with a mentor from the business or professional community to develop an original project on a topic related to career interests. Students use scientific methods of investigation to conduct in-depth research, compile findings, and present their findings to an audience that includes experts in the field. To attain academic success, students must have opportunities to

learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings

**SCIENCE, TECHNOLOGY, ENGINEERING and MATHEMATICS (STEM)
PROGRAMMING and SOFTWARE DEVELOPMENT CAREER PATHWAY**

Fundamentals of Computer Science

Grades: 9-10 Length: 1 Year Credit: 1

Computer science teaches students about computing tools, creativity and innovation, problem-solving and reasoning skills, digital citizenship, and technology operations and concepts.

Computer Science I

Grade: 9-12 Length: 1 Year Credit: 1

Prerequisite: Algebra I.

****Can be used as a LOTE substitution.**

Computer Science I will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of the principles of computer science through the study of technology operations, systems, and concepts. The six strands include creativity and innovation; communication and collaboration; research and information fluency; critical thinking; problem solving, and decision making; digital citizenship; and technology operations and concepts

Computer Science II

Grades: 11-12 Length: 1 Year Credit: 1

Prerequisite: Algebra I and either Computer Science I or Fundamentals of Computer Science.

****Can be used as a LOTE substitution.**

Computer Science II will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the

results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of computer science through the study of technology operations, systems, and concepts. The six strands include creativity and innovation; communication and collaboration; research and information fluency; critical thinking; problem solving, and decision making; digital citizenship; and technology operations and concepts.

OTHER ELECTIVE COURSE OFFERINGS

Office Aide

Grade: 12 Length: 1 Year Credit: .5 - 1 (local)

Prerequisite: Approval by Administration

Admission to the PHS Office Aides Program is by application and must be approved by the Office Aides facilitator. Assignments may be in the front office, attendance office, nurse's office, or library.

*****Students MUST complete an application and be accepted into the program.***

Peer Assistance and Leadership (PALS) I and II

Grade: 10-12 Length: 1 Year Credit: 1

Prerequisite: Application and approval by Instructor

PALS is a mentoring program that matches high school students with intermediate school students to help them become excited about themselves and school. Mentoring activities will focus on social, fun and educational activities. Mentoring is a serious commitment on the part of all students. The mentors will be carefully selected and trained before participating in the program, and good attendance is required. The PALS program is committed to fostering caring relationships that will build the self-confidence of the students involved. *****Students MUST complete an application and be accepted into the program. Mentor training is required.***

Student Leadership

Grade: 9-12 Length: 1 Year Credit: .5 - 1

Student Council membership is strongly encouraged. Provides opportunities to study, practice and develop group and individual leadership and organizational skills. These skills include decision making skills, problem-solving techniques, communication skills, leadership roles, human relation skills and understanding the need for civic responsibility. Students enrolled in the course will apply these skills in dealing with peers, school administration and the community. *****Student MUST complete an application and be accepted into the program*****

General Employability Skills (CTE Course)

Grades: 9-12 Length: 1 Year Credit: 1

This course provides students with knowledge of the prerequisite skills for general employment as well as the means of obtaining those skills. Employability skills include fundamentals of maintenance of personal appearance and grooming. The course also includes the knowledge, skills, and attitudes that allow employees to get along with their co-workers, make important work-related decisions, and become strong members of the work team. Discovering job possibilities that link skills, abilities, interests, values, needs, and work environment preferences is a part of the process of obtaining employability

skills and abilities and is experiential learning that takes place over time.

Early Release or Late Arrival

Grade: 12 Length: 1 Year Credit: 0

A student in good standing towards graduation, may qualify for Early Release and/or Late Arrival (up to 2 periods). Students must be on track to graduate, have passed all required state assessments, and are considered College, Career, Ready (CCMR). There are many avenues a student can take to determine College, Career, Readiness: TSIA2, SAT, ACT, Dual Credit, Industry Based Certification. For more information on CCMR, please talk to your counselor or visit: <https://tinyurl.com/3exdpx7>